

# WIPP Town Hall Meeting

August 2, 2018

*Sponsored by the U.S. Department of Energy  
and the City of Carlsbad, NM*

# Agenda

- **Welcome – Mayor Dale Janway**
- **Introduction – Moderator John Heaton**
- **WIPP Status – NWP President and Project Manager Bruce Covert**
- **Capital Projects Update – NWP SSCVS Manager Rodney Whisenhunt**
- **CBFO Update – CBFO Manager Todd Shrader**



# WIPP Status

## NWP President and Project Manager Bruce Covert



# Short Video OP Progress





# Safety/Environmental

- Mine Rescue Team National Competition
  - 42 teams competed
- MSHA Citations
  - All citations closed or mitigated
- Safety Trained Supervisor Certification
- Zone Safety Committees
- WIPP Annual Emergency Exercise
  - August 22<sup>nd</sup>
- NMED Annual Inspection
  - No Findings
- ISO 14001 Certification
- DSA Revision 6 Implemented



# Community Commitment





# Community Commitment Plan

- Completed inaugural NWP Teacher Externship Program
- Awarded over \$50,000 in scholarships to area graduating seniors and Excellence in Teaching Grants for educators
- Increased current volunteer hours for FY18 to over 3,200



# Shipments (as of 7/23/18)

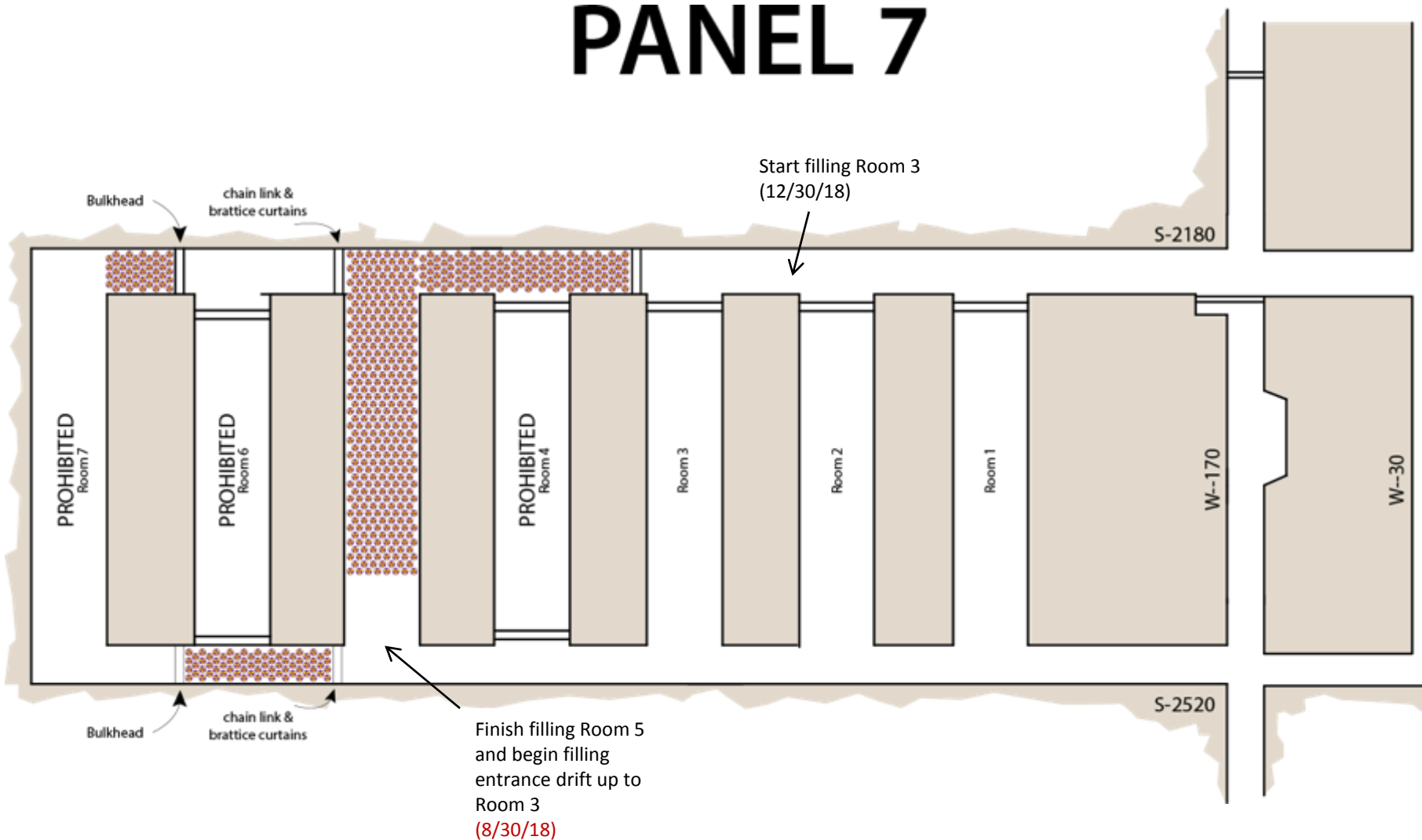
- Total Shipments received (since 1999) – 12,214
- Shipments since restart – 320
- Averaging 7-8 shipments/week
  - Increasing to 8-10 shipments/week end of August





# Waste Emplacement Update

## PANEL 7



# New Chief of Mining

## Pete Graham

Graham comes to WIPP from US Silica in Berkeley Springs, West Virginia, where he has been the plant manager of the Berkeley Springs plant since 2014. He was accountable for 450,000 tons of yearly production of silica sand and 81 staff members

Graham holds dual U.S. and Canadian citizenship. He is married with three children, two grandchildren and a 9-month-old chocolate lab named Max, “who I think is nuclear powered. He never shuts down.”

In his spare time, he likes to restore hot rods. His latest project is a 1966 Chevy pickup that he used to drag race and is now restoring for street use.

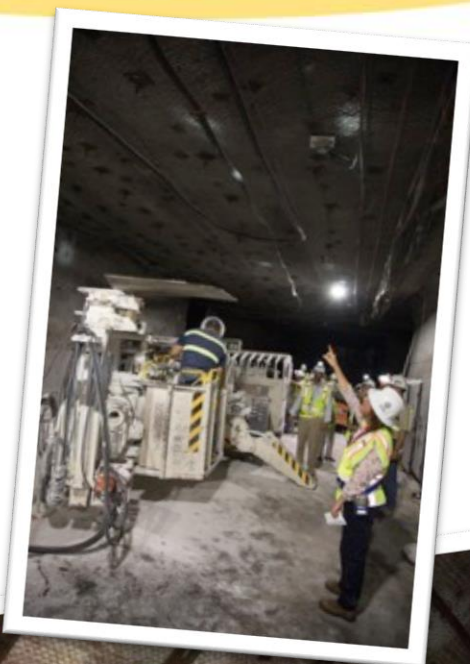


# Ground Control

- Employee safety is highest priority
- Core areas being maintained in accordance with Geotechnical Engineering priorities to maintain a Safety Factor of 1.3. The core areas include the main drifts (E-300, E-140, W-30 and W-170) and cross-drifts.

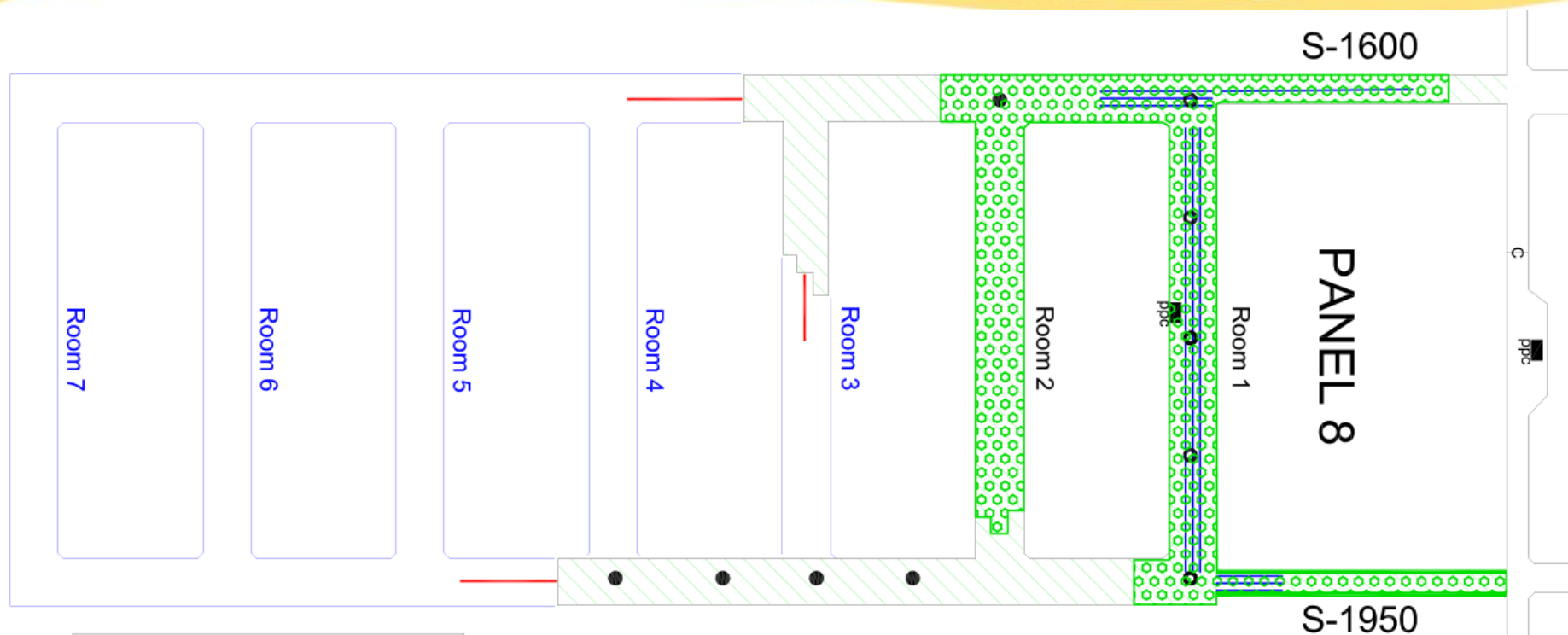
## Current Priorities:

- E-300 Drift up to the bottom of the exhaust shaft, including mitigation of floor heaves
- W-170 Drift between S-2180 and S-2520
- EXO area on North End
- Panel 8, as mining progresses
- Almost 6,000 bolts installed since beginning of fiscal year
- South end (South of S-2520) temporary closure completed across all 4 main drifts.





# Mining Update



## Mining

7/09/2018 – 7/15/2018

### Panel 8:

- Back Removal Room 2
- Mined 7 Shifts
- Mined for the Week = 2,041

### Mining Resumption

- Cumulative tons = 16,669

### Bolting activities this week:

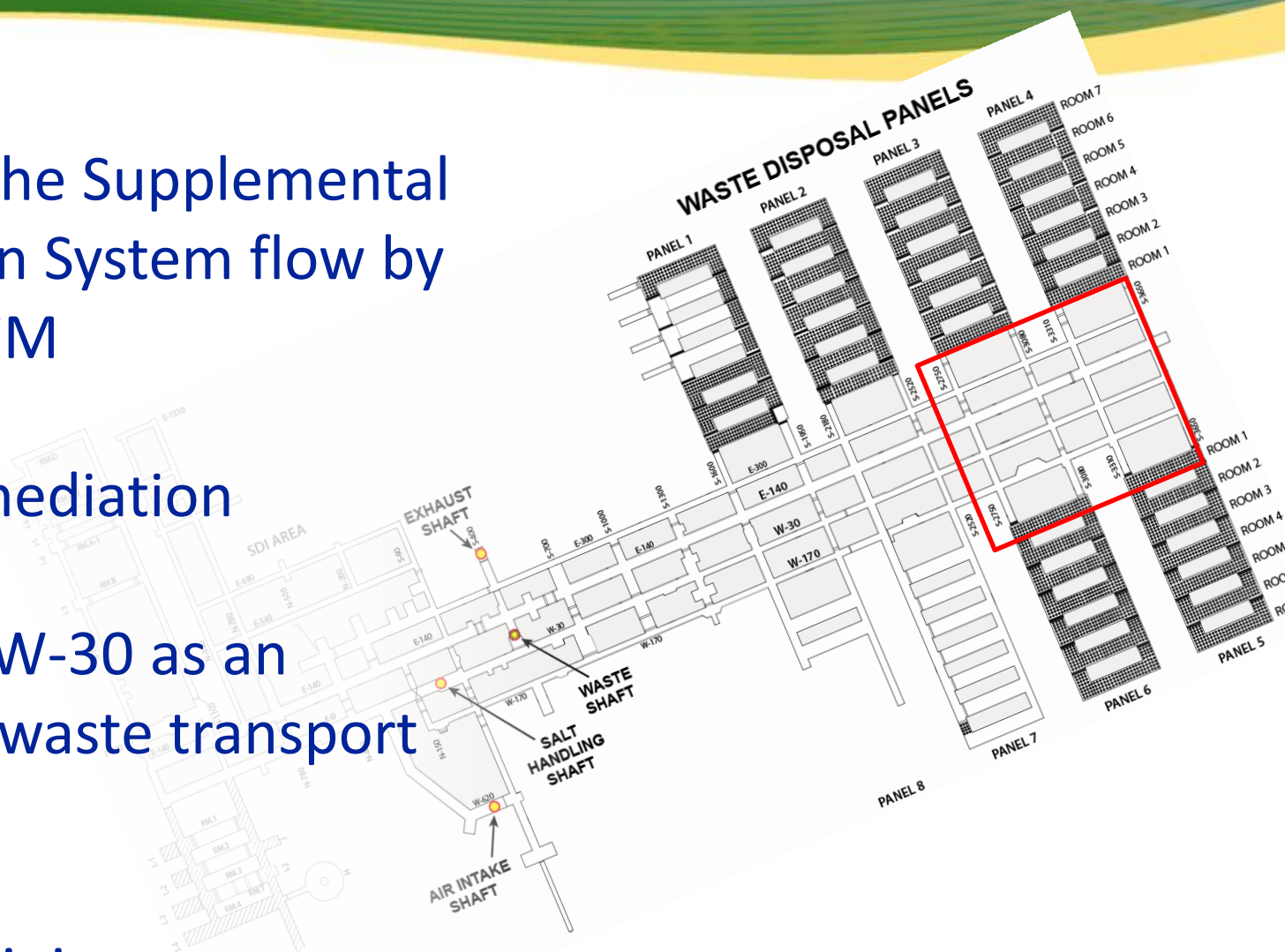
- S1950 Panel 8 Bolted 3 Bolt Pattern 96ft

## Legend

- Planned mining
- Probe hole drilled
- Initial mining
- Re-Mine to Clay G
- Rib Trimming
- Initial Air relief hole drilled
- Re-drilled Air relief hole
- Initial bolting completed

# In the Works

- Increase the Supplemental Ventilation System flow by 20,000 CFM
- E-140 remediation
- Establish W-30 as an alternate waste transport path
- Panel 8 mining



# Conceptual Vision for WIPP (concept for future)





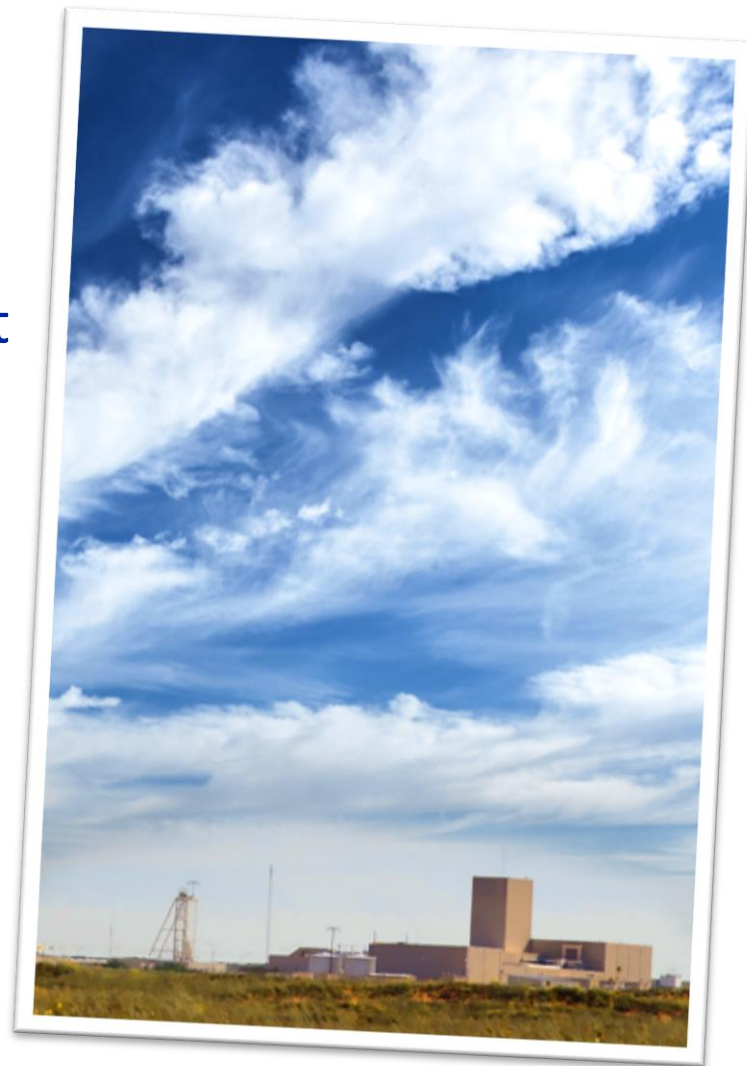
# Infrastructure Recapitalization

## FY18 Scope

- Fire Loop, Phases 1 & 2
- New air compressors
- 2.4 KVA salt hoist switch replacement
- Waste Handling Building Annex roof replacement

## FY19 Planning

- Development of FY19 Project scope documents underway
- Identification of staff to manage and execute projects



# Capital Projects Update

## NWP SSCVS Project Manager

### Rodney Whisenhunt



# New Ventilation System Site Layout





# Critical Decision(CD) Status

## Safety Significant Confinement Ventilation System

- ✓ CD-0 Approve Mission Need
- ✓ CD-1 Approve Alternative Selection and Cost Range
- ✓ CD-2/3
  - Approve Performance Baseline
  - Approve Start of Construction
  - Received approval on May 10, 2018
- CD-4
  - Approve Start of Operations or Project Completion
  - November 2022

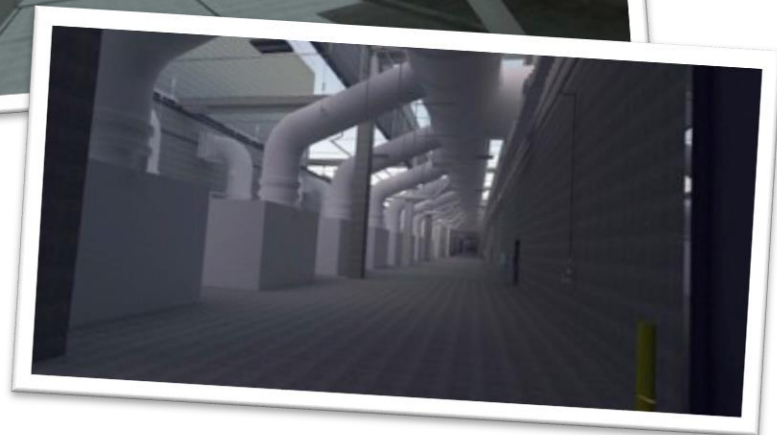
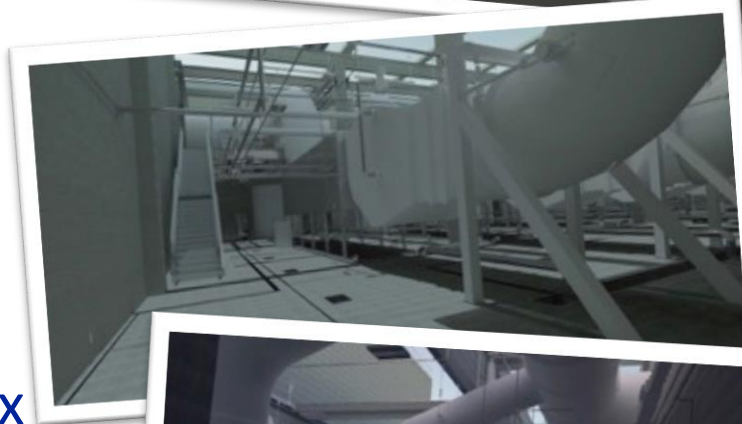
## Utility Shaft

- ✓ CD-0 Approve Mission Need
- ✓ CD-1 Approve Alternative Selection and Cost Range
- CD-2/3A
  - Approve Performance Baseline
  - Approve Start of Construction
  - Anticipated in September 2018
- CD-3B
  - Approve Start of North Access Bypass Road Construction
- CD-4 Approve Start of Operations or Project Completion
  - August 2023



## What makes up this project?

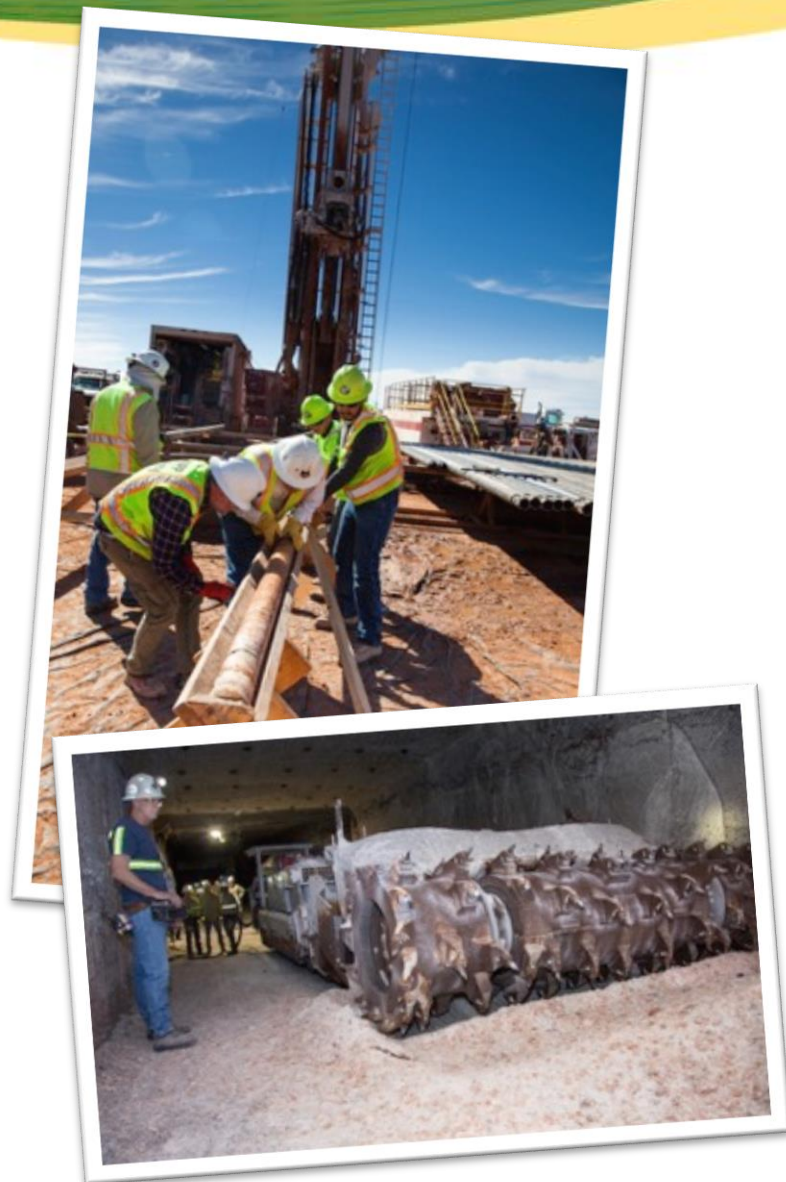
- Tearing down old Workout Facility (Bldg. 482)
- Moving Xcel overhead transmission lines
- Construction of:
  - New Filter building (55,553 sq ft)
  - Salt Reduction Building (24,960 sq ft)
  - Fabrication Facility (12,000 sq ft)
- Installation of a trailer complex
- Demolition of existing ventilation system



# Utility Shaft

## What makes up this project?

- New shaft (30 ft in diameter)
- Alternate Power
- Clearing new shaft area
- New Pond/Pile
- Exhaust Stack (converting the existing AIS to exhaust)
- Utility Shaft Fire Loop
- North Access Road Bypass (NARB) (approx. 3.5 miles)
- Continuous Miner
- Hybrid Bolter
- Surface Fans





# Capital Projects Status

- Complete pilot hole for new shaft (2,300 ft. deep)
- Approximately 1,200 feet West of the Air Intake Shaft



# Capital Projects Status

- Completed grading for the Trailer Complex and Pond for SSCVS
- Evaluating bids for majority of the SSCVS work
- Finalizing Project Organization Staffing
- Working on processes and procedures
- Resolving External Independent Review HQ Comments





# SSCVS Groundbreaking





# SSCVS Progress

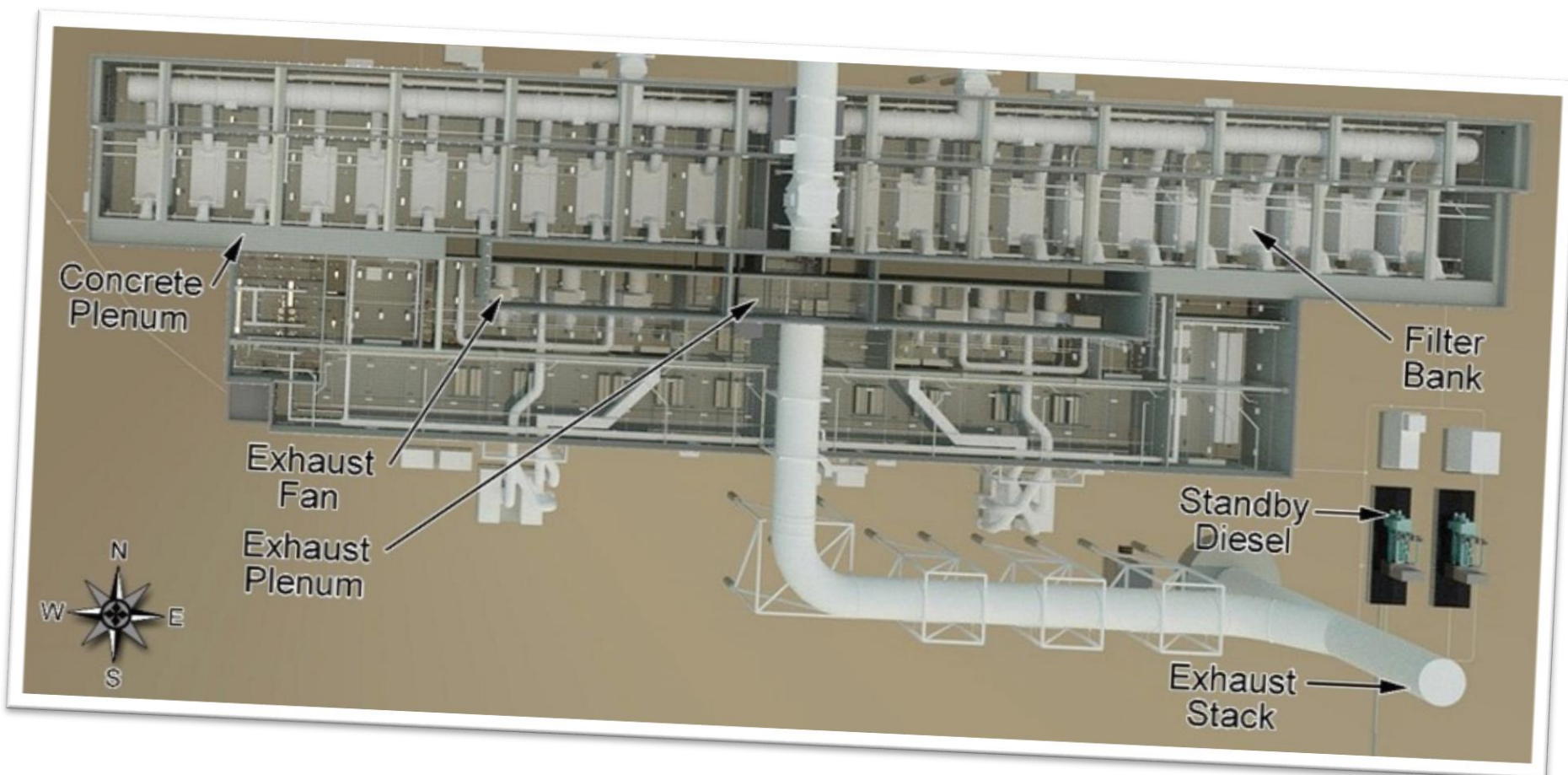


Phase 1 Grading Trailer & Contractor  
Area Grading Completion (June)



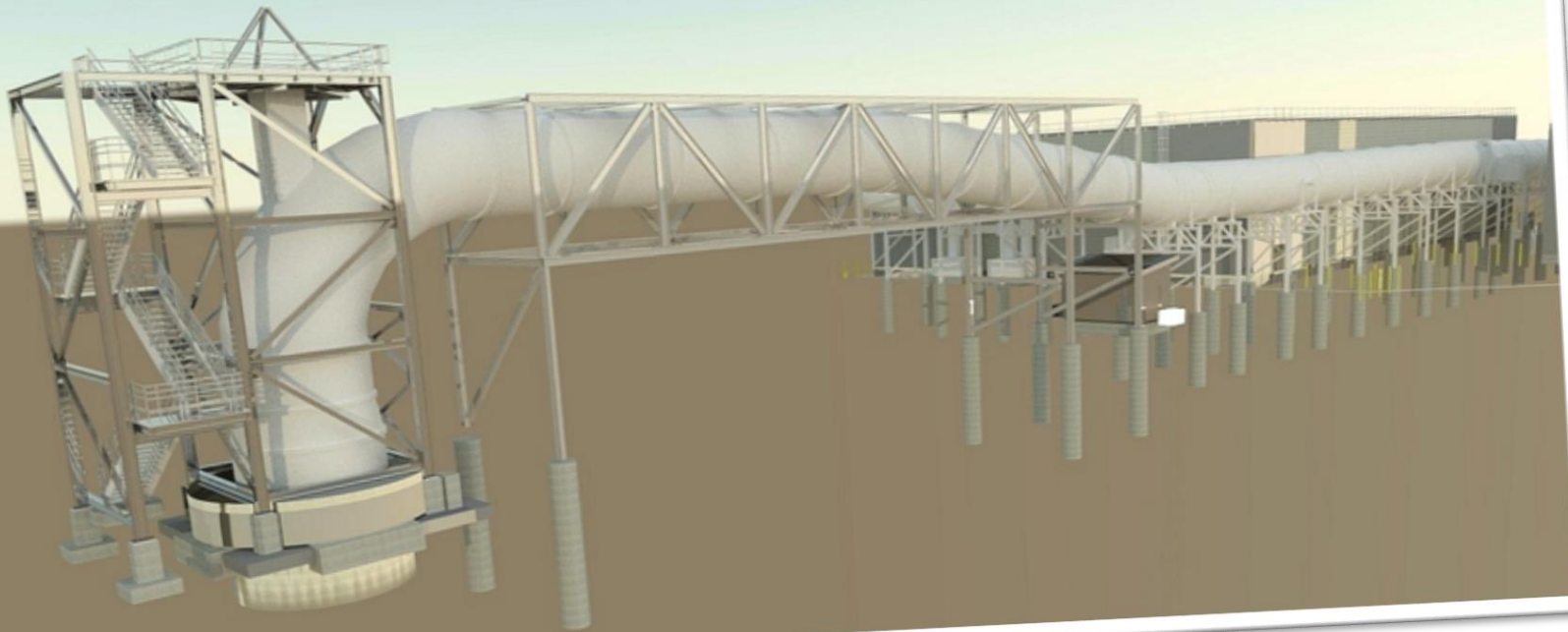
Phase 1 Grading Berm (July)

# New Filter Building (NFB) Overview



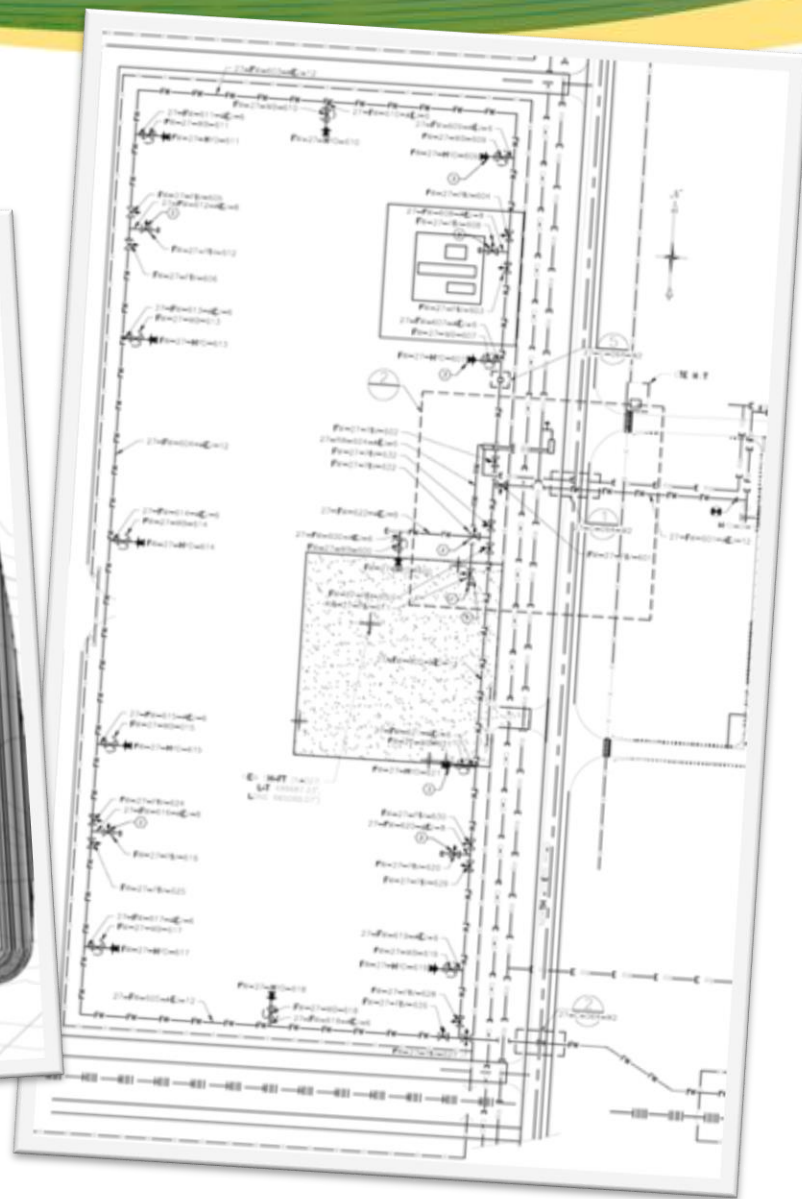
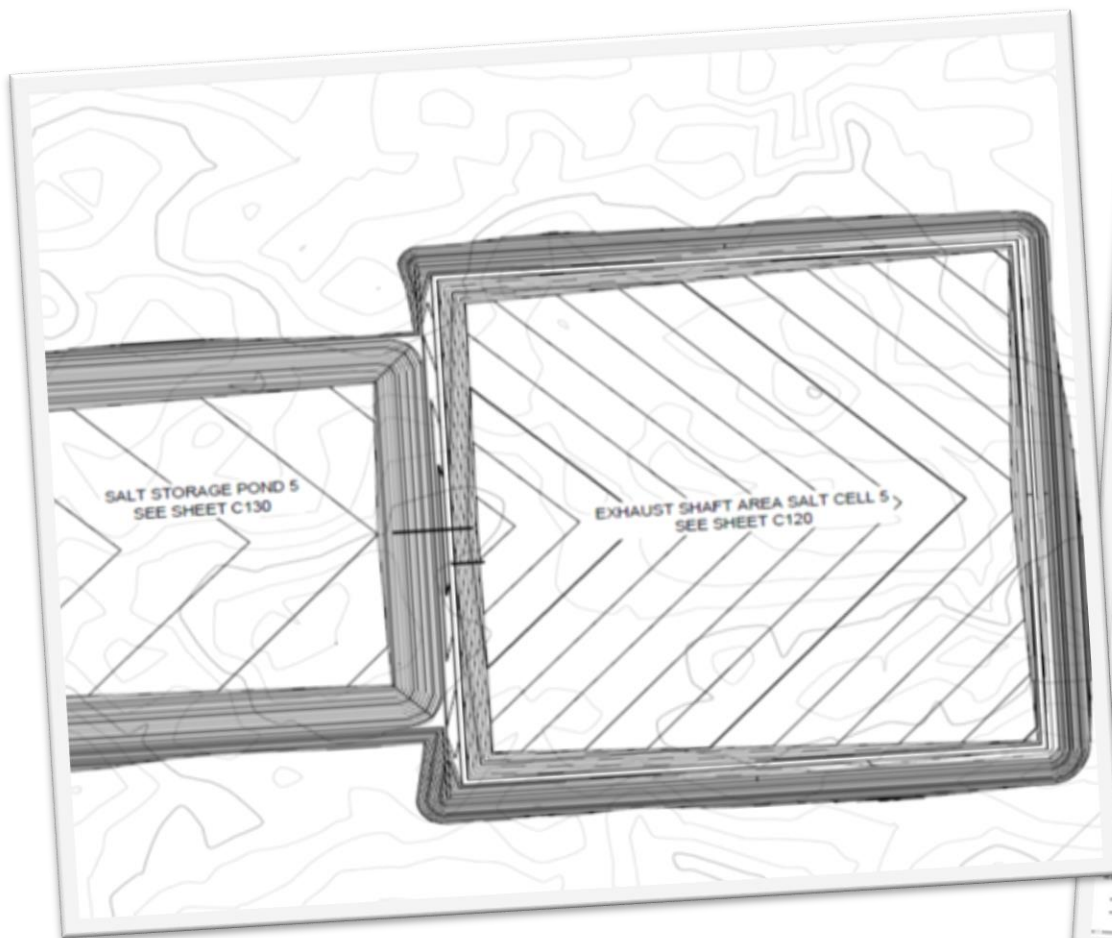


# NFB Connection to Existing Exhaust Shaft with inspection platform

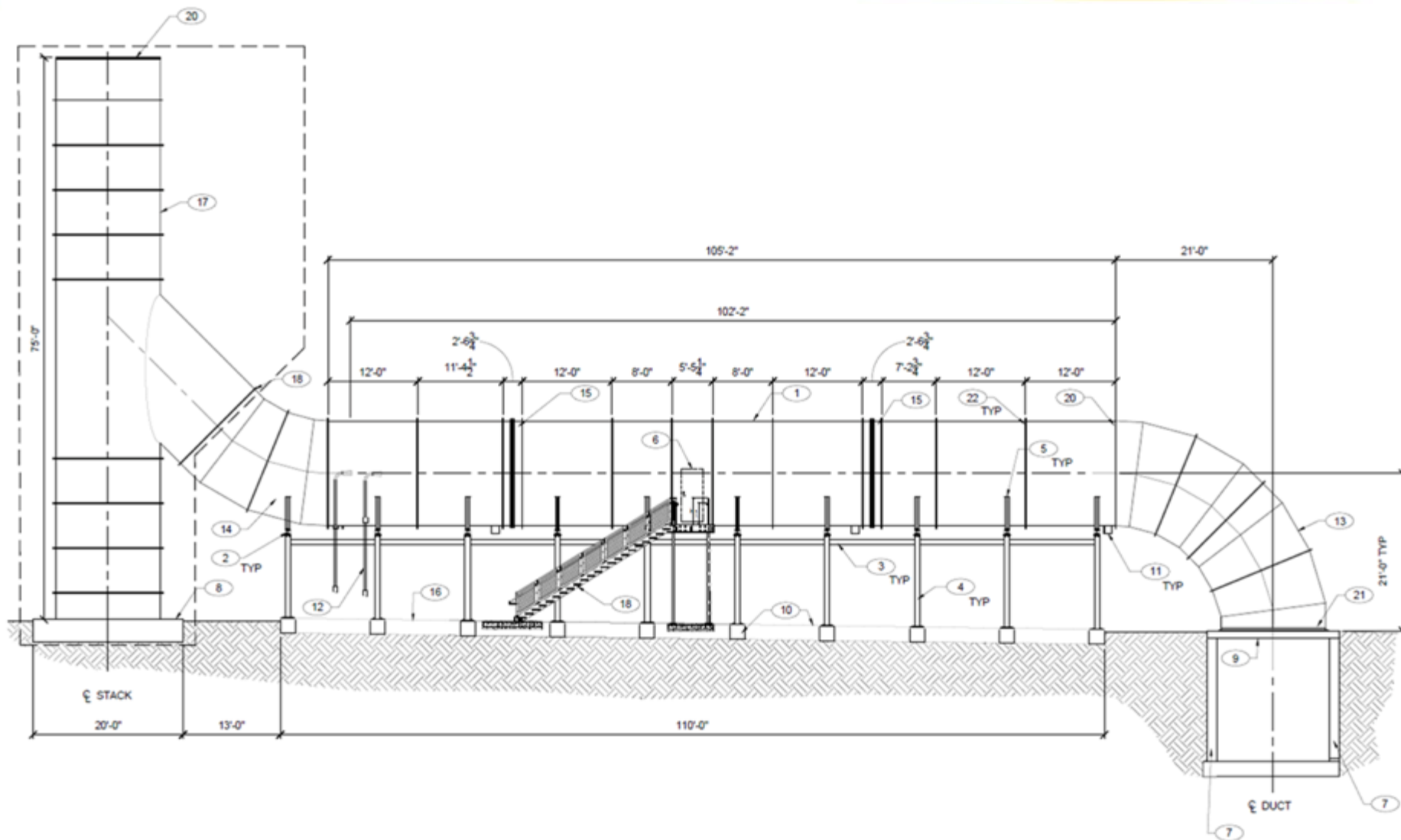




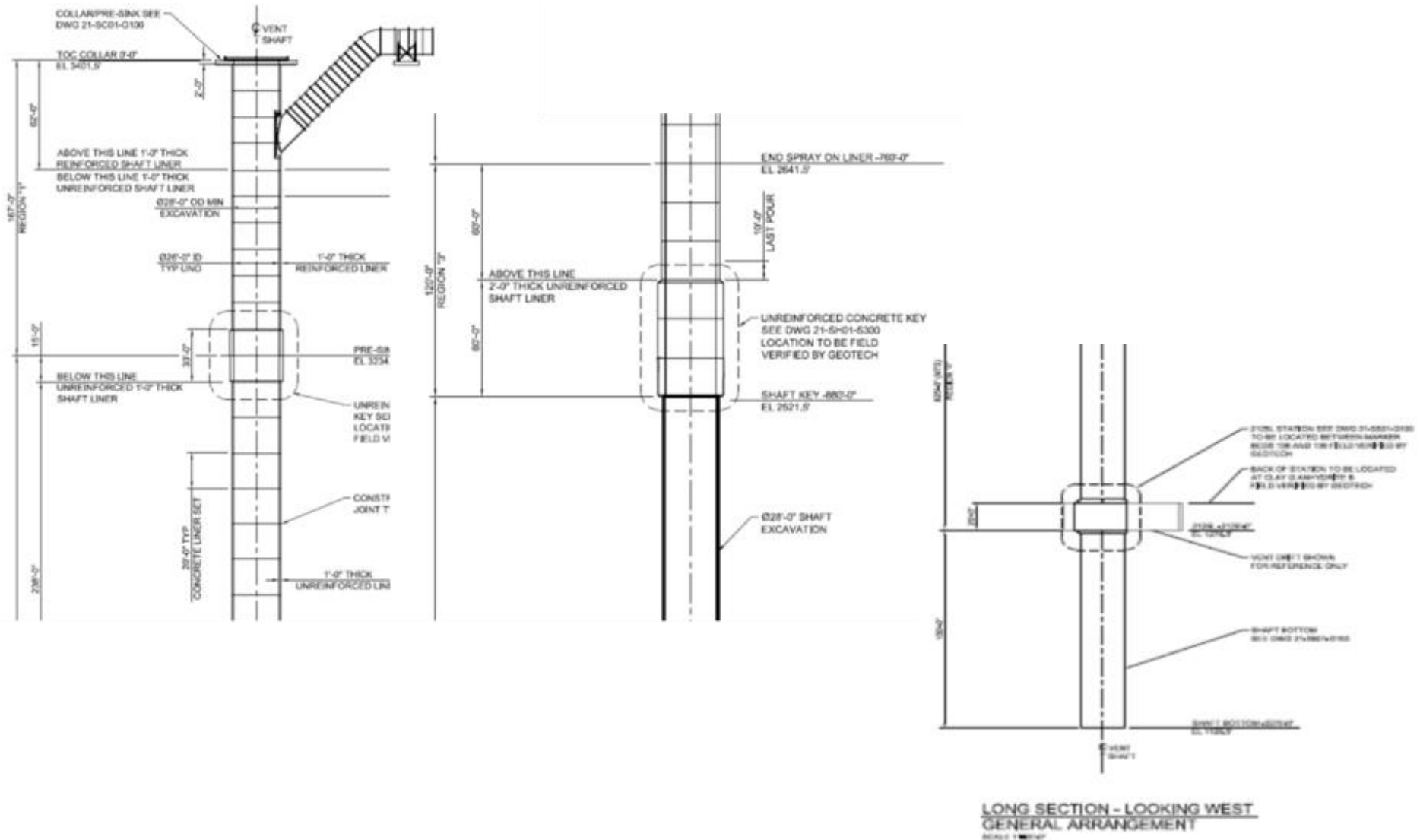
# New Pond/Pile and Shaft Site



# AIS Exhaust Stack



# Shaft Number 5





# CBFO Manager's Update

## Todd Shrader



U.S. DEPARTMENT OF  
**ENERGY**

# FY 19 President's Request

	FY19 REQUEST
Nuclear Waste Partnership	\$195,045,200
Other Participants	\$69,954,800
Carlsbad Infrastructure Recap	\$46,695,000
Construction 15-D-411, Safety Significant Confinement Ventilation System	\$84,212,000
Construction 15-D-412, Utility Shaft	\$1,000,000
Safeguards & Security	\$6,580,000
<b>Total</b>	<b>\$403,487,000</b>

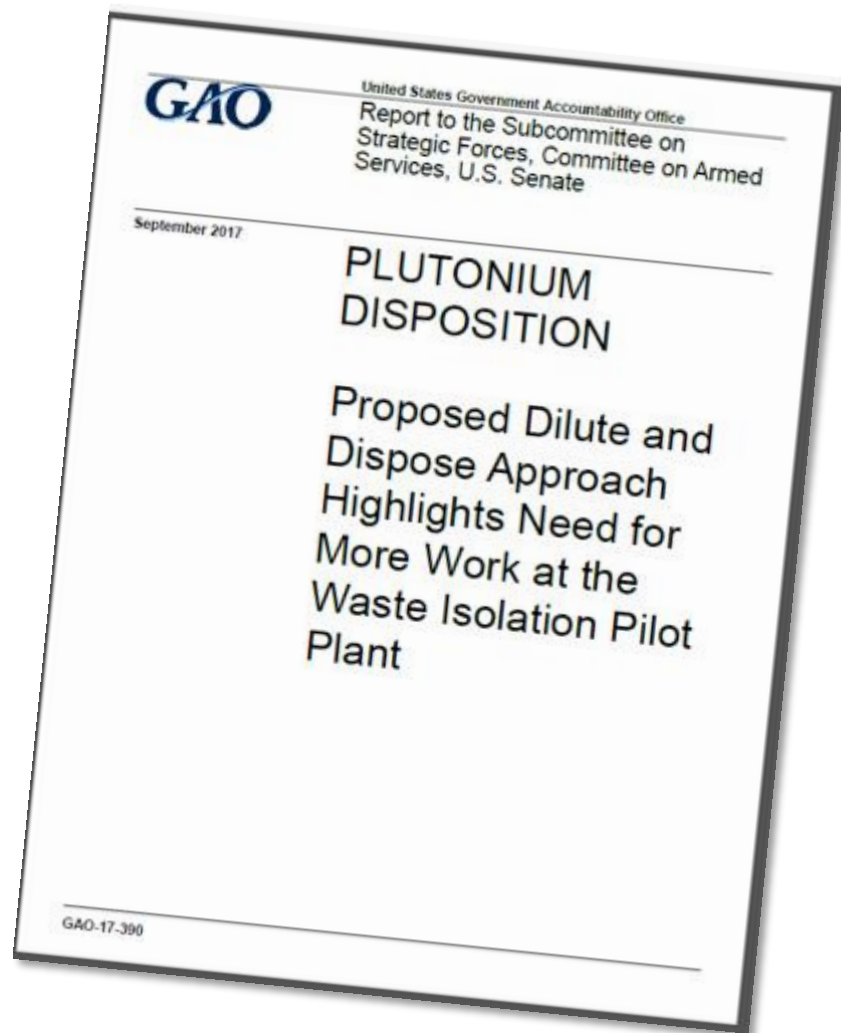
# Projected Shipments

Site	Shipments
INL	165
LANL	43
ORNL	80
SRS	37
ANL	5
<b>Total</b>	<b>330</b>



# Plutonium Dilute & Dispose

- Disposing of defense TRU waste is currently WIPP's only mission
- Guidance expected from DOE Headquarters
- Remember: Treated plutonium = defense TRU waste



# Questions?